

mistr_view

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http://eosweb.larc.nasa.gov/PRODOCS/mistr/mistr_view.html

Basic Operation

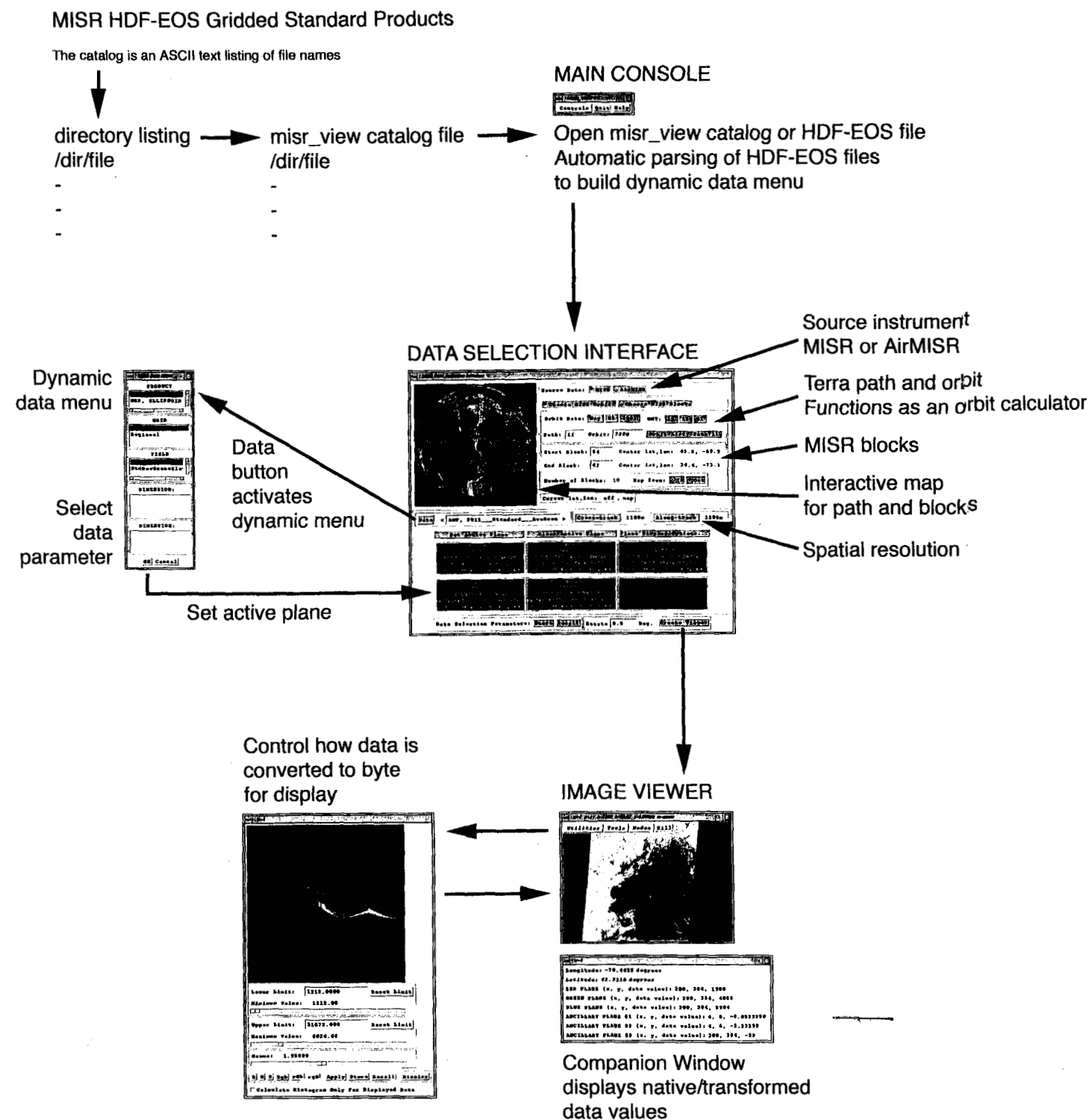


Image Viewer Key Features

- ### Data Handling
- Data is maintained in memory as native number type for each plane
 - Differing spatial resolutions and number types may be viewed concurrently in different planes
 - Reassign any image plane to the Red, Green or Blue plane
 - MISR blocks are assembled on the fly
 - Assembled blocks may be saved as native or transformed science data or as byte image
 - Fill values (missing data, etc.) are automatically excluded from the histogram
 - Eight bit displays are supported through 24-bit emulation

- ### Transforms
- Mathematical transforms can be applied to the data (e.g. unpack and unscale)
 - MISR metadata (e.g. field attributes) can be retrieved via transform equation
 - Transforms are applied on the fly, source data is maintained in memory

- ### Georeferencing
- Georeferencing is automatic when AGP is specified in the misr_view catalog
 - Link multiple georeferenced image viewers together

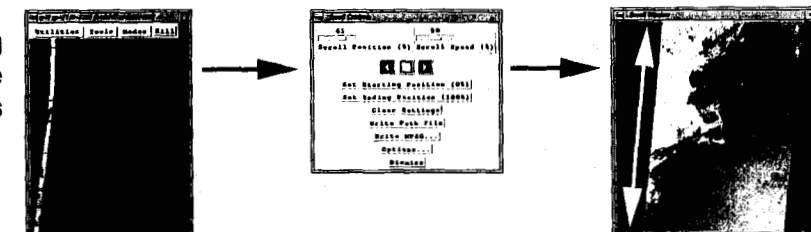
Map project multiple linked windows together



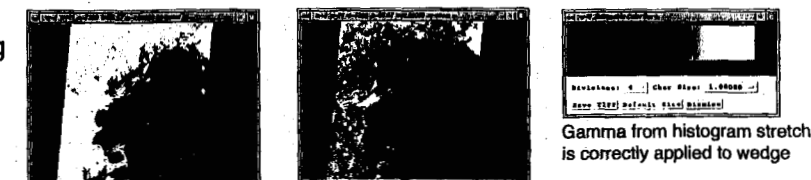
Plot wind vectors



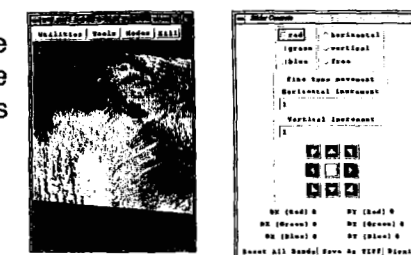
Hands-free scrolling through an entire orbit of MISR blocks



Pseudo-coloring



Create two angle 3D red-blue anaglyphs



Adjust spacing between left eye (red) and right eye (green, blue)